EXHIBIT D [Daubert Brief (31 Pages)]

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19	SAN JOSE	DIVISION
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3 1	IN RE HIGH-TECH EMPLOYEE	No. Master Docket No. 11-CV-2509LHK
21	ANTITRUST LITIGATION	DEFENDANTS' NOTICE OF MOTION
22	THIS DOCUMENT RELATES TO:	AND MOTION TO STRIKE THE
		REPORT OF DR. EDWARD E. LEAMER
23	ALL ACTIONS.	
• •		Date: January 17, 2013
24		Time: 1:30 p.m.
25		Courtroom: 8, 4th Floor Judge: The Honorable Lucy H. Koh
23		Judge. The Honorable Edey II. Ron
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1 TO PLAINTIFFS AND THEIR ATTORNEYS OF RECORD: 2 PLEASE TAKE NOTICE that on January 17, 2012 at 1:30 p.m., in the courtroom of 3 the Honorable Lucy H. Koh, of the above-entitled Court (Courtroom 8), Defendants Intel Corporation, Pixar, Adobe Systems, Inc., Intuit Inc., Google Inc., Apple Inc., and Lucasfilm Ltd. 4 (collectively "Defendants") shall and do hereby move for an order excluding the opinions and 5 6 testimony of Dr. Edward E. Leamer ("Leamer"), designated by plaintiffs Michael Devine, Mark 7 Fichtner, Siddharth Hariharan, Brandon Marshall, and Daniel Stover (collectively "Plaintiffs") as 8 an expert witness in this matter, for his failure to provide reliable, relevant and admissible 9 testimony under Daubert v. Merrell Dow Pharms., Inc., 509 U.S. 579 (1993) and Federal Rule of 10 Evidence 702. Defendants' motion is based on the authorities and evidence set forth herein, the accompanying declaration and exhibits, the Report of Professor Kevin M. Murphy, the class 11 12 certification and other pleadings on file in this matter, oral argument to be presented to the Court, 13 and such other matters as the Court may consider. 14 I. INTRODUCTION Dr. Leamer's testimony fails to meet the standards required by *Daubert* and Rule 702. 15 16 His opinions are offered to show that "all or nearly all" class members were undercompensated 17 as a result of several bilateral agreements among certain pairs of Defendants not to cold call each 18 other's employees. 19 **20** Defendants submit that sworn 21 testimony makes Leamer's entire report and all of his opinions unhelpful and inadmissible under 22 23 Rule 702 and *Daubert* because, even on their own terms, they cannot support the use of common 24 evidence to prove injury to all or nearly all class members. 25 26 As discussed in Defendants' opposition to class certification, even if any of Leamer's opinions were to be admitted, they would not suffice to support certification for many reasons, including, 27

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as discussed below, because they show that a very large percentage of class members were not

injured. See Ellis v. Costco Wholesale Corp., 657 F.3d 970, 983-84 (9th Cir. 2011).

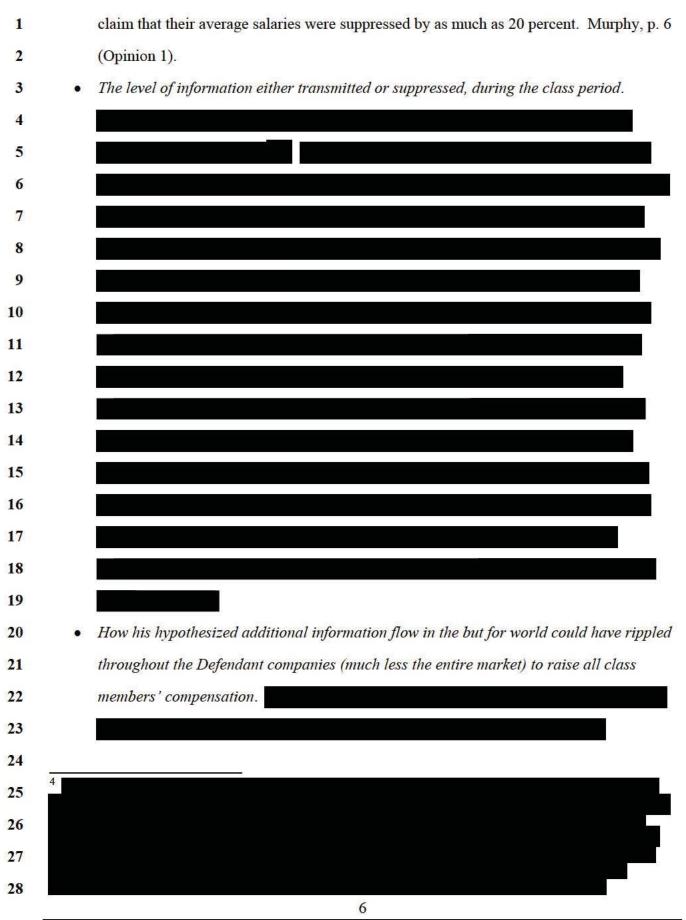
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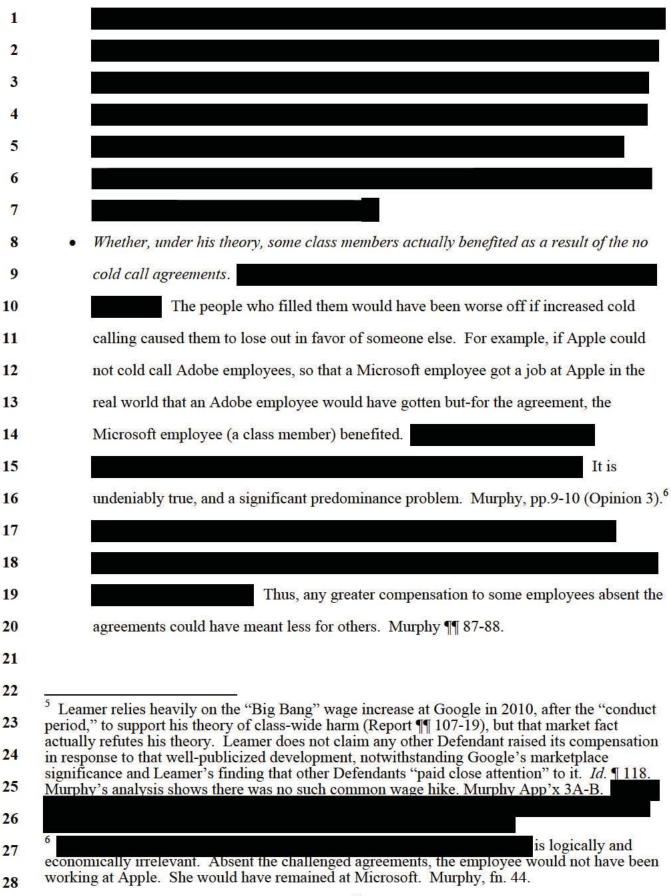
1	Beyond that, Leamer breached professional standards and failed the <i>Daubert</i> test by
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3	As
4	relevant to this motion, his analysis has two steps. In Step 1, he opines that the agreements
5	suppressed "information flow" about available jobs and compensation and slowed down the
6	"price discovery" process, resulting in "generalized compensation suppression" for Defendants'
7	employees. Report ¶ 11(b). ² In Step 2, Leamer opines that generalized suppression would have
8	been transmitted from individual employees who failed to receive a cold call resulting in greater
9	compensation to "all or nearly all [sic] class members," through Defendants "somewhat rigid
10	wage structures," which are a product of their "internal equity" policies. <i>Id.</i> 11(c).
11	Leamer's opinions about the effects of an alleged suppression of competition on class
12	members' compensation are supported by no factual knowledge of competition in the labor
13	markets he purports to address, the extent of any information suppression, or the actual effect on
14	any class members, let alone "all or nearly all" of them. Instead, his opinions depend almost
15	entirely on two statistical models he constructed. Leamer relies, for Step 1, on "conduct
16	regressions" used to estimate the aggregate or "generalized" under-compensation for each class
17	; and, for Step 2, on a
18	"common factors" analysis (a regression and some charts) to support the idea that "all or nearly
19	all" members of each class experienced that impact. ³
20	Not only does Leamer's statistical work not come close to having the precision or rigor
21	required to support his ambitious conclusions of class-wide impact, it actually shows just the
22	opposite. Under Step 1, Leamer's centerpiece "conduct regressions" (taken at face value) show
23	that at least some Defendants paid their employees more because of the challenged conduct.
24	Deposition testimony is cited as "[Deponent] [Page:Line]". All deposition excerpts are
25	attached to the accompanying Declaration of Susan J. Welch ("Welch Decl."). Leamer's report is cited as "Report ¶" (Dkt. No. 190) (sealed version lodged on Oct. 2, 2012). Defendants' expert Kevin Murphy's Report is cited as "Murphy ¶"
262720	³ Leamer has only one "conduct regression" model, but he applies it to both the All Employee Class and the Technical Class. Similarly, his "common factors" regression model is repeated over several years and for both classes. Thus, each of the two regressions is referred to at times in both the singular and plural.
28	in com the singular and planar.

1	This is a result of simply taking Leamer's regression model and generating results separately for
2	each Defendant. The conclusion that the agreements caused some Defendants to pay more is the
3	opposite of Leamer's theory and shows that the only test he has created to measure the impact of
4	the conduct disproves Plaintiffs' claim.
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10	so by definition
11	irrelevant and unhelpful to resolve the issues before the Court. (pp. 16-22, below)
12	Leamer's uninformed, untested, and subjective opinions are unreliable and inadmissible.
13	II. LEAMER'S WORK FAILS THE STANDARDS OF <i>DAUBERT</i> AND RULE 702
14	The Daubert standard for expert opinion testimony applies at the class certification stage.
15	Ellis, 657 F.3d at 982. Daubert "applies to all (not just scientific) expert testimony." United
16	States v. Hermanek, 289 F.3d 1076, 1093 (9th Cir. 2002). Expert testimony is admissible only if
17	"(1) [it] is based upon sufficient facts or data; (2) [it] is the product of reliable principles and
18	methods; and (3) the expert has reliably applied the principles and methods to the facts of the
19	case." Fed. R. Evid. 702. The expert's analysis should be "supported by the typical Daubert
20	factors - testing, peer review and general acceptance." Wagner v. County of Maricopa, 673 F.3d
21	977, 982 (9th Cir. 2012). Expert testimony must be "both relevant and reliable." Abaxis, Inc. v.
22	Cepheid, 2012 U.S. Dist. LEXIS 100530, at *3 (N.D. Cal.).
23	An expert's "conclusions and methodology are not entirely different from one another."
24	General Electric Co. v. Joiner, 522 U.S. 136, 146 (1997). "[N]othing in either Daubert or the
25	Federal Rules of Evidence requires a district court to admit opinion evidence that is connected to
26	existing data only by the <i>ipse dixit</i> of the expert. A court may conclude that there is simply too
27	great an analytical gap between the data and the opinion proffered." Id. Thus, "a district court
28	must examine the expert's conclusions in order to determine whether they could reliably follow

1	from the facts known to the expert and the methodology used." Heller v. Shaw Indus., Inc., 167
2	F.3d 146, 153 (3d Cir. 1999); Lukov v. Schindler Elevator Corp., 2012 U.S. Dist. LEXIS 88415,
3	at *9 n.4 (N.D. Cal.) ("[W]hen an expert opinion is based on data, a methodology, or studies that
4	are simply inadequate to support the conclusions reached, Daubert and Rule 702 mandate the
5	exclusion of that unreliable opinion testimony.").
6	The issue is not whether Leamer's methodologies (e.g., regression analysis) are reliable
7	in some abstract sense, but whether his application of them is proper and reliable for the specific
8	purposes for which his opinions are offered. See id. As shown in the following sections,
9	Leamer's work cannot reliably show either "generalized" injury or any injury that would be
10	"experienced by all or nearly all" class members. Report ¶¶ 11(b) & (c).
11	A. Leamer Cannot Reliably Fulfill His Role As An Expert Economist
12	Because His Opinions Ignore The Basic Market Facts
13	"The role of the expert economist in antitrust cases is to apply microeconomic theory to
14	the messy facts of a case." Champagne Metals v. Ken-Mac Metals, Inc., 458 F.3d 1073, 1080
15	n.4 (10th Cir. 2006). Expert opinions may interpret market facts, but may not substitute for
16	them. See Brooke Group Ltd. v. Brown & Williamson Tobacco Corp., 509 U.S. 209, 242 (1993)
17	Concord Boat Corp. v. Brunswick Corp., 207 F.3d 1039, 1056-57 (8th Cir. 2000) (reversing
18	admission of expert's model that failed to account for market events); Stein v. Pac. Bell, 2007
19	U.S. Dist. LEXIS 19193, at *30-31 (N.D. Cal.) (excluding expert who did not conduct
20	independent research, interview anyone, or otherwise study market facts).
21	Leamer theorizes that the no cold call agreements suppressed labor market competition
22	by reducing "information flow" and caused class-wide effects on Defendants' setting of
23	compensation. His theories have no application to "the messy facts of [the] case" because he
24	does not know them or, to the extent he does, they contradict his opinions.
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26	• The labor markets in which Defendants compete.
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8 9	•	The degree of competition among Defendants for labor, whether measured by hiring or cold calling.
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15		In fact, only 1% of Defendants'
16		employee hires and losses both during and outside the class period were from and to
17		other Defendants. Murphy, p. 8, Table 1.
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21	•	Which firms Defendants considered in setting compensation.
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26 27		The simple fact that Defendants successfully hired
27		some 40,000 new workers during the class period proves the implausibility of Leamer's
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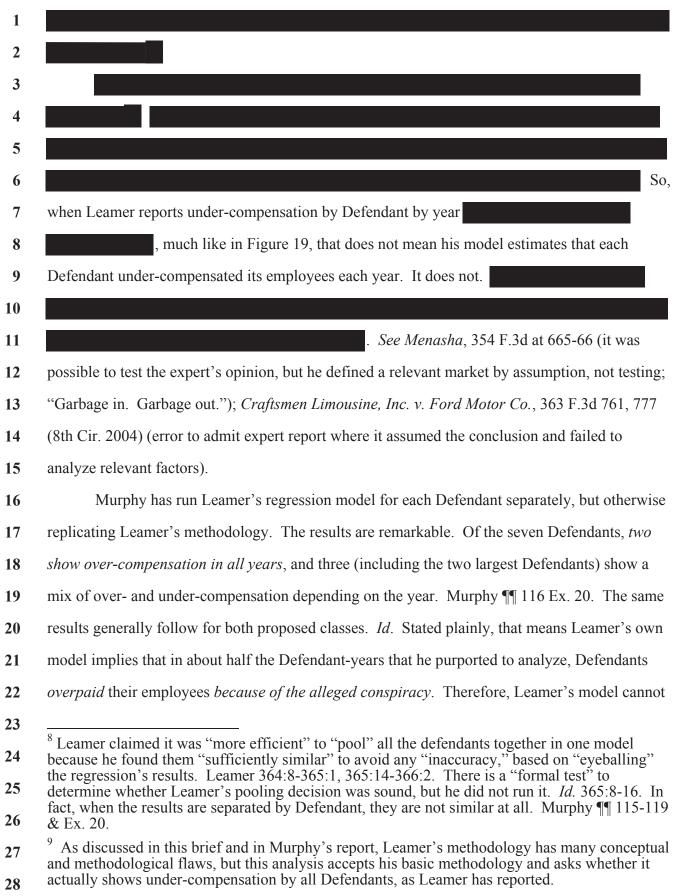




1	Menasha Corp. v. News Am. Mktg. In Store Servs., Inc., 354 F.3d 661, 664 (7th Cir. 2004)
2	(economist opinion inadmissible where it was untested and unsupported by the evidence). ⁷
3	Because Leamer that
4	(a) Defendants' agreements actually, or conceivably could have, materially reduced the
5	"information flow" he claims gives rise to the "price discovery" on which his theory depends, or
6	(b) any such reduction could have produced a class-wide, as opposed to highly individualized
7	(both positive and negative) effect, Leamer's opinions are not "tied to the facts of the case" and
8	thus unhelpful to the Court's class certification decision. F.R.E. 702; <i>Daubert</i> , 509 U.S. at 591;
9	LaserDynamics, Inc. v. Quanta Computer, Inc., 2011 U.S. Dist. LEXIS 42590, at *6-8 (E.D.
10	Tex.) (excluding opinion where "expert offer[ed] no credible economic analysis to support [his]
11	conclusion"). To the extent Leamer knows the market facts, they contradict those opinions. An
12	expert opinion contrary to the facts has no relevance and is inadmissible. See Concord Boat, 207
13	F.3d at 1057 (reversing admission where opinion "did not incorporate all aspects of the
14	economic reality of the [relevant] market"); Heary Bros. Lightning Prot. Co. v. Lightning Prot.
15	Inst., 287 F. Supp. 2d 1038, 1065-66 (D. Az. 2003) (excluding expert opinion where his
16	assumptions contradicted the market facts in the record).
17	B. Leamer's "Conduct Regression" Is Deeply Flawed In Its Methodology
18	And, Properly Considered, Shows That There Was No Class-Wide Injury
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26	Another economically senseless implication of Leamer's theory is that if any Defendant cold called and then hired an employee at 25% above its existing compensation "structure," it would
27	have to raise all employees' compensation by 25%. That would turn a simple hiring decision into a multi-million dollar (or more) endeavor (for example, \$25,000 x 4,000 employees =
28	\$100,000,000). Murphy ¶ 100. Why would any company make that hire?

1	regression analysis is not a magic formula. Piggly wiggly Clarksville, Inc. v. Interstate Brands
2	Corp. 100 Fed. Appx. 296, 299-300 (5th Cir. 2004). Leamer's cure-all conduct regression is not
3	the product of a reliable methodology, so it and the essential opinions Leamer derives from it are
4	inadmissible. See Group Health Plan, Inc. v. Philip Morris USA, Inc., 344 F.3d 753, 760 (8th
5	Cir. 2003) (expert testimony was premised on a "counterfactual world" and "entail[ed] a great
6	deal of speculation, for although his estimations [we]re oriented in real-world examples and data
7	points, his use of them often involve[d] inferences that approach[ed] leaps of faith").
8	Leamer's methodology, broadly speaking, is to compare Defendants' compensation
9	during the class or "conduct" period to their compensation before and after that period. He
10	presents two before-and-after comparisons: one is illustrated in his Figure 19 and the other is the
11	product of his "conduct regressions." Report ¶¶ 138-41.
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16	However, both analyses suffer from the same basic problem (among many others):
17	Leamer's methodology actually shows large portions of the class were not injured. This is not a
18	matter of interpretation or theory; it is a direct and provable outcome of Leamer's own work.
19	
20	1. Figure 19
21	1. Figure 19 In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are
¥ I	5
22	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are
22	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are during the effective period of the challenged agreements, and the other years (2002-04 and 2010-
	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are during the effective period of the challenged agreements, and the other years (2002-04 and 2010-11) as non-conduct years. Leamer uses Figure 19 to illustrate the hypothetical average under-
22 23	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are during the effective period of the challenged agreements, and the other years (2002-04 and 2010-11) as non-conduct years. Leamer uses Figure 19 to illustrate the hypothetical average undercompensation (9.5% to 12.9%, depending on the year) for all Defendants collectively during the
22 23 24	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are during the effective period of the challenged agreements, and the other years (2002-04 and 2010-11) as non-conduct years. Leamer uses Figure 19 to illustrate the hypothetical average undercompensation (9.5% to 12.9%, depending on the year) for all Defendants collectively during the "conduct" period. Report ¶ 63. He does not report the figures for each Defendant separately.
22 23 24 25	In Figure 19, Leamer defines the years 2005-2009 as "conduct" years, meaning they are during the effective period of the challenged agreements, and the other years (2002-04 and 2010-11) as non-conduct years. Leamer uses Figure 19 to illustrate the hypothetical average undercompensation (9.5% to 12.9%, depending on the year) for all Defendants collectively during the "conduct" period. Report ¶ 63. He does not report the figures for each Defendant separately. Murphy has done so, using Leamer's exact methodology, and the results show that <i>five</i> of the

1	Leamer's method shows the opposite of impact.
2	
3	2. The Conduct Regressions
4	Leamer's conduct regression is much more complex, but suffers from the same basic
5	flaw. Generally speaking, a "regression model" is a statistical method for using data to
6	understand (or "estimate" or "predict") the average relationship between one or more factors
7	(represented in the model by "independent variables") and a "dependent" variable. In this case,
8	Leamer used compensation data during the "conduct" period and the periods before and after to
9	try to identify the average effect of the challenged agreements on compensation (the "dependent"
10	variable), taking into account the effects of other independent "control" variables (e.g., seniority,
11	San Jose employment levels). Report, Figures 20-21. He refers to the estimated average effect
12	of the agreements as the "coefficient" on his "CONDUCT" independent variable. <i>Id.</i> \P 146.
13	From that, he calculates an average alleged under-compensation by Defendant by year for each
14	class. <i>Id.</i> , Figures 22 & 24.
15	
16	Leamer admits it is "important" to test a regression model's "sensitivity" "before you rely
17	on it." Leamer 351:1-3, 356:1-7, 358:19-24. He has written a peer reviewed article stating as
18	much. See Edward E. Leamer, Let's Take the Con out of Econometrics, 73 Am. Econ. Rev. 31,
19	38 (1983) (Welch Decl., Ex. G).
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1	be used to show injury to all class members because, on its own terms, it shows that large
2	portions of the class were not injured. <i>Id.</i> ¶ 119.
3	
4	It does indeed. It also demonstrates that Leamer's failure to run the model
5	separately for each Defendant was poor science, given that he is supposed to be showing injury
6	to all class members, rather than just some average injury for an aggregated class. See GPU, 253
7	F.R.D. at 504 (criticizing plaintiffs' reliance on regressions, finding that they "would either be
8	overly reliant on averages and would thus sweep in an unacceptable number of uninjured
9	plaintiffs, or they would be unmanageably individualized.").
10	Leamer's model is also highly sensitive in two other key respects. First, using only the
11	post-conduct period (not the pre-conduct period) as a benchmark, which should not change
12	Leamer's findings if his theory were correct, in fact reverses them. The estimated "effect" is
13	overcompensation for each of the seven defendants - the exact opposite conclusion to the one
14	Leamer reached. Murphy ¶ 132 & Ex. 23. Second, even though equity was an important
15	component of many employees' compensation, Leamer does not control for changes in the value
16	of that equity compensation over time. His failure to control for obvious factor affecting
17	compensation caused the model to erroneously attribute compensation changes to the alleged
18	agreements. Murphy ¶¶ 134-137. Simply adding the change in the S&P 500 as a "control"
19	variable alters his results dramatically. Murphy ¶ 137 & Ex. 26. These results, according to
20	Leamer himself, indicate that his regression's conclusions are "fragile" and "not to be believed."
21	See Podcast: Leamer on the State of Econometrics (May 10, 2010)
22	(http://www.econtalk.org/archives/2010/05/leamer_on_the_s.html) (An economist requires "a
23	complete model with all the controls"; "That's a sensitivity issue - we want to make sure that an
24	adequate range of alternative models has been studied and confirmed that all the reasonable
25	models lead to about the same conclusion, which is that you get the sturdy inference. Or, if what
26	seem like small changes in the models, the kinds of things that economists would be willing
27	easily to entertain, lead to dramatically different conclusions – that's a fragile estimate, and not
28	to be believed.") (emphasis added).

1	in sum, Leamer's regression methodology is unsupported by any or the typical Daubert		
2	factors." Wagner, 673 F.3d at 982. It is not "generally accepted," but was "conceived, executed,		
3	and invented solely in the context of th[e] litigation"; indeed, its purported use expanded as		
4	Leamer was confronted at deposition with more issues he had failed to analyze. <i>See Johnson v.</i>		
5	Manitowoc Boom Trucks, 484 F.3d 426, 434-35 (6th Cir. 2007); Daubert v. Merrell Dow		
6	Pharms., 43 F.3d 1311, 1317 (9th Cir. 1995) ("Daubert II") ("One very significant fact to be		
7	considered is whether the experts are proposing to testify about matters growing naturally and		
8	directly out of research they have conducted independent of the litigation, or whether they have		
9	developed their opinions expressly for purposes of testifying.").		
10			
11			
12	⁰ His methods also violate his own repeated		
13	peer-reviewed admonitions as to how proper econometrics should be performed. See Apple, Inc.		
14	v. Samsung Electronics Co., 2012 U.S. Dist. LEXIS 90877, at *29 (N.D. Cal.) (opinion excluded		
15	where no evidence showed expert's calculations were based on a generally accepted, peer-		
16	reviewed methodology).		
17	Taking a step back, it is also important to keep in mind what Leamer's statistics are		
18	purporting to say, which is that an assumed but unknown reduction in "information flow" from		
19	these narrow restrictions on cold calling achieved a remarkable under-compensation of 2-20%.		
20	Report, Figures 22, 24. Therefore, upon Leamer's theory taken at face value, one of two things		
21	must be true. The first is that the relative handful of allegedly lost cold calls amidst the vast sea		
22	of "information flow" and "price discovery" that he admits was occurring "each and every day"		
23	during the class period allowed Defendants to suppress their compensation significantly below		
24			
25	Leamer's own peer-reviewed article shows his methods applied here are not accepted or reliable. "Can we economists agree that it is extremely hard work to squeeze truths from our		
26	data sets and what we genuinely understand will remain uncomfortably limited? We need words in our methodological vocabulary to express the limits. We need sensitivity analyses to make		
27	those limits transparent. Those who think otherwise should be required to wear a scarlet-letter O around their necks, for 'overconfidence.'" Edward E. Leamer, Tantalus on the Road to		
28	Asymptopia, 24 J. Econ. Persp. 31, 32 (2010) (Welch Decl., Ex. H) (emphasis added).		

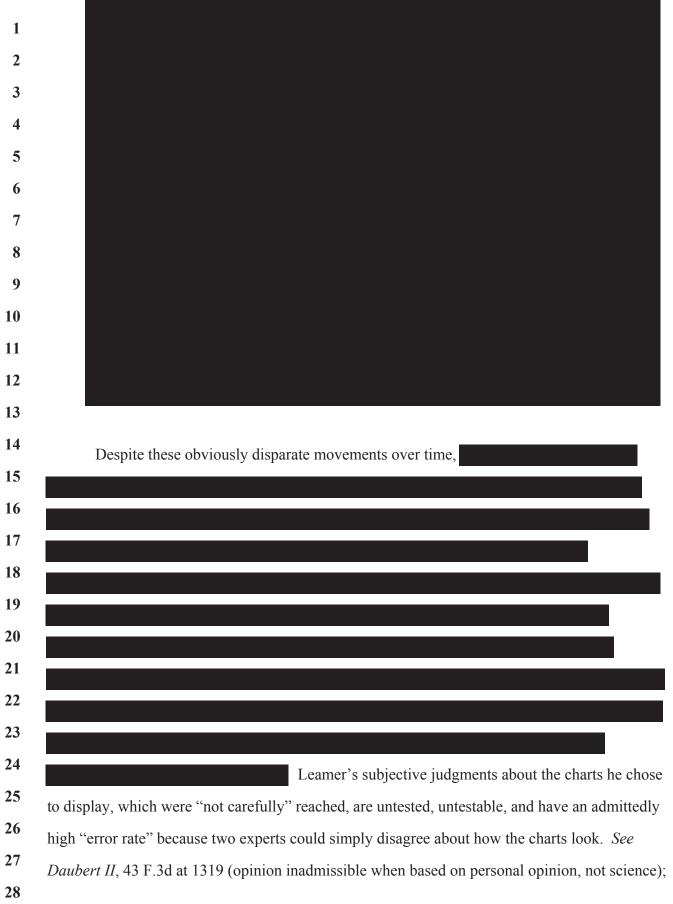
1	market levels but still retain their employees		
2	The alternative is		
3	that the hypothesized few lost cold calls managed to suppress compensation in the entire vast		
4	labor markets in which Defendants competed - at Microsoft, Facebook, Oracle, Amazon,		
5	Applied Materials, Electronic Arts, IBM, HP, eBay, Zynga, all startups, indeed		
6	That fanciful market suppression would not be limited to software engineers		
7	like the plaintiffs, but would extend to accountants, administrative assistants, attorneys and a		
8	very long list of other employees, of which Defendants employ a tiny percentage. Neither		
9	scenario makes any economic sense, and Leamer does not and cannot defend either one. The		
10	admissibility of his work must be evaluated in light of its necessary implications. See Joiner,		
11	522 U.S. at 146 (opinion inadmissible where "there is simply too great an analytical gap between		
12	the data and the opinion proffered"). ¹¹		
13	3. Leamer's Methodology Underlying His Conduct Regressions Is		
14	Inconsistent With His Other Necessary Opinion		
15	Leamer built the conduct regression model based on a key assumption that is directly		
16	contrary to his own opinion of a "somewhat rigid wage structure." The contradiction arises from		
17	the fact that, for purposes of the conduct regression, Leamer treated each employee's data as if it		
18	provides independent information about the factors affecting compensation. That assumption		
19	squarely contradicts his other central theory that compensation within each Defendant is driven		
20	by "common factors" (i.e., is not independent, but correlated). Leamer cannot take conflicting		
21	positions with respect to his two central opinions. See Group Health Plan, 344 F.3d at 761		
22	(affirming exclusion where "the disconnect between [the damages expert's] work and the		
23			
24	11 Leamer's regression analysis essentially assumes what he is trying to prove.		
25			
26	December this		
27	Because the regression is not grounded in the evidence or any coherent theory based on the market facts, it is, at best circular. See In ver TET LCD (Flat Panel) Antitrust Litin 2012 U.S. Diet LEVIS 21606		
28	at best, circular. See In re TFT-LCD (Flat Panel) Antitrust Litig., 2012 U.S. Dist. LEXIS 21696 (N.D. Cal.) ("Obviously, a model cannot be used to prove of one of its basic assumptions.").		

1	[plaintiff's] theory of liability weighs heavily against the admission of his testimony under		
2	Daubert").		
3			
4	Leamer's data independence assumption is necessary for the conduct regression to		
5	achieve "statistical significance." Murphy ¶ 120. His error, and its importance to any conclusion		
6	that can be drawn from his regression, is easily proved. A generally accepted method to take		
7	into account the fact that the observations on which the conduct regression is based reflect		
8	"groups" of observations that have some (although not complete) correlation is called		
9	"clustering" the standard errors. Murphy \P 125. Leamer failed to implement this (or any other)		
10	methodology to address the nature of his data, although he has mocked econometricians who rely		
11	on an erroneous assumption of data independence to achieve statistical significance. See Let's		
12	Take the Con out of Econometrics (Welch Decl., Ex. G), at 37-38 ("Sometimes I take the error		
13	terms to be correlated, sometimes uncorrelated Does it depend on what I had for		
14	breakfast?"). 12 Once that is done, so that the illusion of independence is removed, Leamer's		
15	conduct regression model produces no statistically significant result. Murphy ¶ 127 & Exs. 22A-		
16	B. Therefore, his regression results, and his opinions based on them, are scientifically		
17	unaccepted and unreliable according to his own peer review.		
18	C. Leamer's "Common Factors" Analyses Are Deficient And Unreliable		
19	Leamer's second essential opinion derives from his "common factors" or "compensation		
20	structure" analyses, which consist of additional regressions (separate from the conduct		
21	regressions) and some charts. Report ¶¶ 120-34.		
22			
23	Thus, Leamer opines, compensation for the class members "tended to move		
24	together over time and in response to common factors." Report ¶ 130. Therefore, he concludes,		
25			
26			
27	That is exactly what he did here.		
28	Murphy ¶ 122.		
	16		

	"any generalized suppression of compensation due to the Agreements would be experienced by	
	all or nearly all members of the" two putative classes. Id. ¶ 11(c); id. ¶ 64 ("compensation of	
	employees tended to move together over time, such that the effects of Non-Compete Agreement	
	are likely to be broadly felt").	
	Leamer's "common factors" analyses, like his conduct regressions, are the product of	
	unsound methods, carefully designed and subjectively interpreted to suggest a result that is	
	contrary to the real-world evidence. In the end, Leamer admits they actually cannot distinguish	
	between two opposite conclusions; thus, they are not relevant to any issue before the Court. See	
	Daubert, 509 U.S. at 591.	
	1. Leamer's "Common Factors" Regressions, By Themselves, Do Not Purport To Answer The Relevant Question	
	Leamer reports that his "common factors" regressions reveal that the factors he chose to	
	include (the "independent variables") can explain most of the variation in employee	
	compensation (the "dependent variable") at a single "point in time." Report ¶¶ 129-30	
	(emphasis added). ¹³ Even if that were true, his approach is irrelevant to the issue before the	
	Court, as Leamer himself defines it, because he admits they do not show "changes of	
compensation over time," even within any job title. Leamer 218:6-8, 236:15-22 (emphasis		
added). Therefore, they cannot address the issue for which they are offered, which is whether		
different employees' compensation "move[s] together over time" (id. 206:11-17, 207:3-5), so		
that one employee's increased compensation from a cold call would cause an increase in "all or		
	nearly all" other employees' compensation.	
	Leamer's claim the regressions explain "almost the entire variation in salaries within each	
	firm" is untrue. On their face, they fail to explain as much as 38% Report, p.58 (Figure 14).	
	Moreover, because of the nature of Leamer's statistical analysis, the	
	"explained" percentages in Figures 12 and 14 do not reveal the actual unexplained variation of compensation in dollars, which would be much greater. Id. 217:16-22.	

1	Consider this simplified exam	nple of three emplo	byees with the same job title:
2		Year 1	Year 2
3	Employee A	\$130,000	\$120,000
4	Employee B Employee C	\$125,000 \$120,000	\$125,000 \$130,000
5	Employee C	\$120,000	\$130,000
6	In this example, the variation	in compensation a	at each "point in time," which is all that
7	Leamer's "common factors" regression	on shows, is the sa	me because within each year one
8	employee makes \$130k, one makes \$	125k, and one ma	kes \$120k.
9			
10	The compensation of Employees	A and C are mov	ing in <i>opposite</i> directions over time. ¹⁴
11	Moreover, the class consists of	of employees with	thousands of different job titles.
12			
13			
14			Report pp. 59-
15	60. As explained below, those analyst	ses	
16	prove that it is entirely unsu		liable
17	-		1 16, On Which He Relies,
18	Cannot Answ	er the Relevant (Question
19			
20			Doth
21		1 1 1	Both
22	Leamer's premise and - he ultimately	admits - his conc	lusion are unreliable and incorrect.
23	The common factors regression co	ontains another bas	sic flaw. Assume a firm has only two job
24	rigid pay structure, far beyond anythi	ng Leamer has for	ion paying \$150k. This is a perfectly and here. But even under these extreme
25	call and, in response, the firm promot	tes him to a senior	
26	ripple effect whatsoever. The firm's giving that employee, and only that e	rigid pay structure mployee, a promo	e allows it to respond to the cold call by tion. Nothing in its structure requires it to
27	raise any other junior employee's pay	 And, it makes a 	lot more sense to give just this one med outcome that the firm would keep
28	him as a junior employee and raise hi		

	First, Figures 15-17 are biased in Leamer's favor but still do not support his conclusion.
	In all three charts, Leamer has averaged all employees within each job title depicted
	. This reliance on averages is
	inappropriate to begin with, because it obscures the key question Leamer identifies of whether
	"all or nearly all" class members' compensation "moves together over time." See GPU, 253
100	F.R.D. at 494 ("Averaging masks the differences and by definition glides over what may be
1	important differences."); Reed v. Advocate Health Care, 268 F.R.D. 573, 591 (N.D. Ill. 2009)
((expert's reliance on averages was a "fundamental flaw" because variations in pay are central to
(class certification analysis).15
	Even so, Leamer's charts still show many examples where the compensation of entire
3	groups of employees (by title) moves in different directions or moves in the same direction but at
1	very different rates, such that the lines cross. This is the opposite of his claim that compensation
	"moves together" and the charts show "smooth movement over time."
	,,16
	15
	19





1	Barbouti, 993 F.2d 722, 732 (10th Cir. 1993) (opinion inadmissible where expert's "lack of
2	familiarity with the methods and the reasons underlying [non-testifying expert's] projections
3	virtually precluded any assessment of the validity of the projections through cross-
4	examination").
5	
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10	Therefore, the entire equivocal exercise collapses into a massive analytical
11	gap between Leamer's opinion and the supposed support for it. See Joiner, 522 U.S. at 146.
12	Leamer's "common factors" analysis cannot and does not answer the question he
13	identifies as relevant, so it does not "fit" any issue in the case and, in any event, is subjective,
14	unreliable and therefore inadmissible several times over. See Daubert, 509 U.S. at 591; In re
15	TMI Litig., 193 F.3d at 670 (reversing admission of opinion unconnected to "the particular
16	disputed factual issues in the case").
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1 III. **CONCLUSION** Leamer's opinions relating to both "generalized" and "class-wide" impact are unreliable, 2 and should be excluded. 3 4 Dated: November 12, 2012 BINGHAM McCUTCHEN LLP 5 By: 6 Frank M. Hinman 7 Donn P. Pickett Frank M. Hinman 8 Sujal J. Shah Susan J. Welch 9 Frank Busch Three Embarcadero Center 10 San Francisco, CA 94111 Telephone: (415) 393-2000 11 Facsimile: (415) 393-2286 12 Attorneys for Defendant INTEL CORPORATION 13 Dated: November 12, 2012 COVINGTON & BURLING LLP 14 15 By: Emily Johnson Henn 16 Robert T. Haslam, III **17** Emily Johnson Henn 333 Twin Dolphin Drive, Suite 700 Redwood City, CA 94065 18 Telephone: (650) 632-4700 19 Deborah A. Garza Thomas A. Isaacson **20** 1201 Pennsylvania Avenue, NW Washington, DC 20004 21 Telephone: (202) 662-6000 22 Attorneys for Defendant PIXAR 23 24 25 **26** 27 28

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1	ATTESTATION : Pursuant to General Order 45, Part X-B, the filer attests that concurrence in
2	the filing of this document has been obtained from all signatories.
3	
4	/s/ Frank M. Hinman
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